

METHOD AND APPARATUS FOR PRODUCING AN
OPTICALLY EFFECTIVE SYSTEM OF LAYERS
ON BOTH SIDES OF A SUBSTRATE

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ABSTRACT

A method and apparatus for producing an optically effective system of layers on a substrate, such as a lens for use in an optical device. A plasma supported sputter deposition process is employed which, for the purpose of reducing damage to the rear side (1b) first applies a protective layer (2) to the rear side and then applies a system of layers (3) on the front side (1a) of the substrate (1). The apparatus includes an evacuable sputter chamber and a substrate holder (5) with receiving elements (6) for the substrates, and the receiving elements are mounted to permit rotation about two mutually perpendicular axes.

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